

Inventors: Pawlowski et al.

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147 atgtcggactcagagaacgatgcagcagtgctcggaacgtcctctggaq CARD domain
M S D Y E N D D E C W N V L E
192 ggcttccgggtgacgctcacctcggtcatcgaccctcagcgc
G F R V T L T S V I D P S R I
237 acaccttacctgcggcagtgcaaggtcctgaacctgagtgcg
T P Y L R Q C K V L N P D D E
282 gagcaggtgctcagcgaccccaacctgggtcatccgcaaacggaaa
E Q V L S D P N L V I R K R K
327 gtgggtgtgctcctggacatcctgcagcggacggccacagggc
V G V L L D I L Q R T G G H K G
372 tacgtggccttctcgcagagcctggagctctactaccgcagctg
Y V A F L E S L E L Y Y P Q L
417 tacaagaagvtcacaggcaaggagcggcccgctcttccatg
Y K K G V T G K E P A R V F S M
462 atcatcgacgcgtccggggagtcaggcctgactcagctgctgatg
I I D A S G E S G L T Q L L M
507 actgaggtcatgaagctgcagaagaaggtgcaggacctgaccgcg
T E V M K L Q K K V Q D L T A
552 ctgctgagctccaaagatgacttcatcaaggagctgcgggtgaag
L L S S K D D F I K E L R V K
597 gacagcctgctgcgaagcaccaggagcgtgtgacaggtcgaag
D S L L R K H Q E R V Q R L K
642 gaggagtgcgaggccggcagccgcgagctcaagcgtgcgaaggag
E E C E A G S R E L K R C K E
687 gagaactacgacctggccatgcccctggcgcaccagagtgaggag
E N Y D L A M R L A H Q S E E
732 aaggggcgccgcgctcatgcggaaccgtgacctgcagctggagatt
K G A A L M R N R D L Q L E I
777 gaccagctcaagcacagcctcatgaaggccgaggacgactgcaag
D Q L K H S L M K A E D D C K
822 gtggagcgcaagcacacgctgaagctcaggcacgccatggagcag
V E E R K H T L K L R H A M E Q
867 cggccagccaggagctgctgtgggagctgcagcaggagaaggcc
R P S Q E L L W E L Q Q E K A
912 ctgctccaggcccggtgcaggagctggaggcctccgtccaggag
L L Q A R V Q E L E A S V Q E
957 ggggaagctggacaggagcagcccctacatccaggtactggaggag
G K L D R S S P Y I Q V L E E
1002 gactggcggcaggcgctgcgggaccaccaggagcaggccaacac
D W R Q A L R D H Q E Q A N T
1047 atcttctccctgcgcaaggacctccgcccagggcaggcccgacgc
I F S L R K D L R Q G E A R R
1092 ctccggtgcatggaggagaaggagatgttcgagctgcagtgctg
L R C M E E K E M F E L Q C L
1137 gcactacgtaaggactccaagatgtacaaggaccgcactcgaggcc
A L R K D S K M Y K D R I E A
1182 atcctgctgcagatggaggaggtcgccattgagcgggaccagagc
I L L Q M E E V A I E R D Q S
1227 acacaaatggaggggctgtga 1247
T Q M E G L

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

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1 atggatgactacatggagacgctgaaggatgaagaggaccccttg CARD domain
M D D Y M E T L K D E E D A L
46 tgggagaatgtggaagttaaccggcacatgctcagccgctatatc
W E N V E C N R H M L S R Y I
91 aaccctgccaaagctcacgccctacctgctgacagttaaggtcatt
N P A K L T P Y L R Q C K V I
136 gatgagcaggtatgaagatgaagtgccttaatgcccttatgctgcc
D E Q D E D E V L N A P M L P
181 tccaagatcaaccgagcagccgctgcttgacattctacatacc
S K I N R A G R L L D I L H T
226 aaqggggcaaaagggcttatgtgctcttcttgagagcctagaattt
K G Q R G Y V V F L E S L E F
271 tattaccgaactgtacaaactggtgactgggaagagccact
Y Y P E L Y K L V T G K E P T
316 cggagattctccaccattgtggtggaggaaggccacgagggcctc
R R F S T I V V E E G H E G L
361 acgcacttctgatgaacgaggtcatcaagctgcagcagcagatg ERM (ezrin) domain
T H F L M N E V I K L Q Q Q M
406 aaqggccaagacctgcaacgctgcagagctgctggccaggttgccg
K A K D L Q R C E L L A R L R
451 caqctggaggtatgagaagagcagatgacgctgacgctgctggag
Q L E D E K K Q M T L T R V E
496 ctgctaacccttccagagcggctactacaagatgaaqgaagagccg
L L T F Q E R Y Y K M K E E R
541 gacagctacaatgacgagctggtcaaggtgaaqgacgacaactac
D S Y N D E L V K V K D D N Y
586 aacttagccatgcgctacgcacagctcagtgaggagaaagacatg
N L A M R Y A Q L S E E K N M
631 qcggctcatgagagccgagacctccaactcgagatcgatcagcta
A V M R S R D L Q L E I D Q L
676 aaqcaccggttgaaataagatggagaggaatgtaagctggagaga
K H R L N K M E E E C K L E R
721 aatcagctctctaaaactgaaqaatgacattgaaaatcggcccaag
N Q S L K L K N D I E N R P K
766 aaqgagcaggttcttggaaactggagcgggagaatgaaatgctgaa
K E Q V L E L E R E N E M L K
811 accaaaaaccagagctgcagctccatcatccagccgqgaagcgc
T K N Q E L Q S I I Q A G K R
856 agcctgccaagactcagacaagccatcctggacatcttggaaac
S L P D S D K A I L D I L E H
901 gaccgcaagagagccctggagagcagcagcagcagctggtcaacag
D R K E A L E D R Q E L V N R
946 atctacaacctgcagagagagcccccagcagcagcagcagcagc
I Y N L Q E E A R Q A E E L R
991 gacaagtaacctggagagaaagagagcctggagctcaagtgctcg
D K Y L E E K E D L E L K C S
1036 accctgggaaaagactgtgaaatgtacaagcaccgcatgaacag
T L G K D C E M Y K H R M N T
1081 gtcagctgcagctggagagagctggagcggagcgggaccagggg
V M L Q L E E V E R E R D Q G

FIGURE 2A

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

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1126 caqqctgtggccttccagggagactgcacaaagctctcaacaga
Q A V A F Q G H C I K A L N T

1171 gaqccctgccactagcaaaqgtccggaccatcggtctctggtcgcg
E P A T S K G R T I G S V I A

1216 ttaatqaaagagccttccactcccgagatgaagctcagacaca
L M K K A P H S R D E A Q T Q

1261 tactcgcagtgcttaatcgaagaaagacaaagtcaggaagcagatc
Y S Q C L I E K D K Y R K Q I

1306 cgcagagctggaaggaagaaacgacagagatgagatcgagatggcg
R E L E E K N D E M R I E M V

1351 cggcgaggagcctgcacgtcaacctggagagcaagctgcggcgc
R R E A C I V N L E S K L R R

1396 ctctccaaaggacagcaacaacctggaccagagctcgcaggaac
L S K D S N N L D Q S L P R N

1441 ctgccagtaaccatcatctctcaggacttctggggatgccagcccc
L P V T I I S Q D F G D A S P

1486 aggaccaatgggtcaagaagctgacgattctctccacctcggaggag
R T N G Q E A D D S S T S E E

1531 tcacctgaagacagcaagtacttctgacctaccatccgccccag
S P E D S K Y F L P Y H P P Q

1576 cgcaggatgaacctgaaggcctccagctgcagagagccaaatcc
R R M N L K G I Q L Q R A K S

1621 cccacagcctgaagcgaacatcagattttcaagccaaggggcac
P I S L K R T S D F Q A K G H

1666 gaggaagaaggcagcagccagccctagctcctgaggatctctg
E E E G T D A S P S S C G S L

1711 cccacaccaactccttcaccaagatgcccccccgagccgcagc
P I T N S F T K M P P R S R S

1756 agcatcatgtcaatcacccgagccccgggaaacgactccatc
S I M S I T A E P P G N D S I

1801 gtcagagcgtacaaggaggacgcgccccatcgagcacagctcgaa
V R R Y K E D A P H R S T V E

1846 gaagacaatgacagcggcggtttgacgccttagatctggatgag
E D N D S G G F D A L D L D E

1891 ctggcagcggggagactgtggctcagagtcctccaggtgtgccc
L A A G E T V A Q S P P G V P

1936 tgccagccccctctcttccagggctccccagcctttgcccagcta
C Q P P L F Q G S P S L C Q L

1981 aggctgccaaaccgatgaaacgaaagatgagtggtcctccttaatg
R L P T D E T K D E W S S L M

2026 gggaagcatcagcgtaccagtggttaaagagagatgacagtcac
G K H Q R Y Q V L K R D D S H

2071 gaacgtactccttcggaccctcctccatccactcctcctcctcc
E R Y S F G P S S I H S S S S

2116 tcccaccaatccgagggcctggatgcctacgacctggagcaggtc
S H Q S E G L D A Y D L E Q V

2161 aacctcatgttcaggaagttctctctggaagacccttccggcct
N L M F R K P S L E R P F R P

2206 tcggtcaccctctgtgqqgcacgtgccccgccccagggcctcggtg
S V T S V G H V R G P G P S V

2251 caqcacacgacgctgaatggcagacacccctcaccctccagctcacc
Q H T T L N G D S L T S Q L T

2296 ctgctgqqgggcaacgcgcgagggagcttctgacactcgggtcaag
L L G G N A R G S F V H S V K

2341 cctggtctctctgcccgaagaaagccggcctcctgagggccaccag
P G S L A E K A G L R E G H Q

2386 ctgctgctgctagaagcctgcacccgagggcagagggcagagttgc
L L L L E G C I R G E R Q S V

2431 ccgttggacacatgcaccaaagaggaagccactggaccatccag
P L D T C T K E E A H W T I Q

2476 aggttcagcggccccctcagcgtgcactacaaggtcaaccagaa
R C S G P V T L H Y K V N H E

2521 gcccagcagaaaaatccgctgggctgcagaatgatgtgggcag

PDZ domain

FIGURE 2B

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

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A Q Q K I R G P A E Y D V G S
2566 acctccaaagcccgagctgcgagcagcacagccctgcaagtct
T S K A R S C A A A Q P C K S
2611 ggaattccagggaaagaaagtccattccggcaggggtaccggaag
G I P G K E S S F R Q G Y R K
2656 ctggtgaaggacatggaggacggcctgatcacatcgggggactcg
L V K D M E D G L I T S G D S
2701 ttctacatccggctgaacctgaacatctccagccagctggacgcc
F Y I R L N L N I S S Q L D A
2746 tgcaccatgtccctgaagtgtgacgatgttgtgcacgtccgtgac
C T M S L K C D D V V H V R D
2791 accatgtaccaggacaggcacgagtggtgtgctgctgggtcgac
T M Y Q D R H E W L C A R V D
2836 ccttttcacagaccatgacctggatattgggcaccatacccagctac
P F T D H D L D M G T I P S Y
2881 agcggagcccagcagctcctcctgggtgaaactgcagcgcctgatg
S R A Q Q L L L V K L Q R L M
2926 caccgaggcagccgggaggaggttagacggcaccacaccacccctg
H R G S R E E V D G T H H T L
2971 cgggcactccgggttcgtcagcaggtccgagaacaagtataagcgg
R A L R F V S R S E N K Y K R
3016 atgaacagcaacgagcgggtccgcacatcatctcggggagtccgcta
M N S N E R V R I I S G S P L
3061 gggagcctggcccgggtcctcgtgagcggcaccacgaagctcttgact
G S L A R S S L D A T K L L T
3106 gagaagcaggaagagctggaccctgagagcgagctgggcaagaac
E K Q E E L D P E S E L G K N
3151 ctcagcctcatccccctacagcctggtacgcgcttctactgagag
L S L I P Y S L V R A F Y C E
3196 cgccgcccggcccggtgctcttccacaccacccgtgctggccaagacg
R R R P V L F T P T V L A K T
3241 ctggtgcagaggctgctcaactcgggaggtgcatgaggttcacc
L V Q R L L N S G G A M E F T
3286 atctgcaagtcagatatcggtcacaagagatgagttcctcagaagg
I C K S D I V T R D E F L R R
3331 cagaagacggagaccatcatctactcccagagagaagaaccccaac
Q K T E T I I Y S R E K N P N
3376 gcgttcgaatgcatcgcccctgccaacattgaagctgtggccgccc
A F E C I A P A N I E A V A A
3421 aagaacaagcactgcctgctggaggctgggatcggtgcacaaga
K N K H C L L E A G I G C T R
3466 gacctgatcaagtccaacatctaccccatcggtgctcttcatccgg
D L I K S N I Y P I V L F I R
3511 gtgtgtgagaagaacatcaagaggttcagaaagctgctgccccga
V C E K N I K R F R K L L P R
3556 cctgagacggaggaggaggttcctgcgcgtgtgccggctgaaggag
P E T E E E F L R V C R L K E
3601 aaggagctggaggccctgcccgtgctgtacgccacgggtggaacct
K E L E A L P C L Y A T V E P
3646 gacatgtggggcagcgtagaggagctgctccgcgttgctcaaggac
D M W G S V E E L L R V V K D
3691 aagatcggcaggagcagcgcaagaccatctgggtggacgaggac
K I G E E Q R K T I W V D E D
3736 cagctgtga 3744
O L

FIGURE 2C

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

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1 atgggggaactgtgcccagggactccgcactcacggcactggac
M G E L C R R D S A L T A L D
46 gaggagacactgtgggagatgatggagagccaccgccacaggatc
E E T L W E M M E S H R H R I CARD domain
91 gtacgctgcacatctgccccagccgctcaccacctacctgcgccag
V R C I C P S R L T P Y L R Q
136 gccaaaggtgctgtgccagctggacgaggaaggaggtgctgcacagc
A K V L C Q L D E E E V L H S
181 ccccgctcaccaacagcgcctatgcgggcccgggcacttgctggat
P R L T N S A M R A G H L L D
226 ttgctgaagactcgagggaagaacggggccatcgcccttcctggag
L L K T R G K N G A I A F L E
271 agcctgaaagtccacaaccctgacgtctacaccctggtcaccggg
S L K F H N P D V Y T L V T G
316 ctgcagcctgatggtgacttcagtaactttagcggtgagagctcc
L Q P D V D F S N F S G E S S
361 gactttgacggtttggcaggcacttctaggaacctcaggctcctg
D F D G L A G T S R N L R L L
406 gtaaccccagnn 417
V T P X

FIGURE 3

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

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GI "10436238"

1	msdyenddec	wnvlegfrvt	ltsvidpsri	tpylrqckvl	npddeeqvls	qpnlvirkkrk
61	vgvllldilqr	tghkgyvafl	eslelyypql	ykkvtgkcpa	rvfsmiidas	gesgltqlm
121	tevmklqkkv	qdlallssk	ddfikelrvk	dsllrkhrqer	vqrlkeecaa	gsfalkrcke
181	enydlamrla	hqseekgaal	mrnrdlqlei	dqlkhsmlka	eddckverkh	tlklrhameq
241	rpsqellwel	qqekallqar	vqealeasvqe	gkldrsspyi	qvleedwrqa	lrhdheqant
301	ifslrkdlrq	gearrlrcme	ekemfelqcl	alrkdsksmyk	drieaillqm	eevaierdqs
361	tqmegl					

GI "10436237"

1	atcatcagga	agtgcacagg	cgtccggcgt	gctcctccct	ccctgcagcc	ccgggcagca
61	tctcccagag	gctccgcggc	ccaggctcct	ggtgtgtctg	cagtgcaggt	ggctcctgga
121	agaccctcag	cctgcctgct	gaggccatgt	cggactacga	gaacgatgac	gagtgtctga
181	acgtcctgga	gggcttccgg	gtgacgtca	cctcggatca	cgacccctca	cgcatacac
241	cttacctgcg	gcagtgcagg	gtcctgaacc	ctgatgatga	ggagcagggt	ctcagcgacc
301	ccaacctggg	catccgcaaa	cggaaagtgg	gtgtgtcct	ggacatcctg	cagcggaccg
361	gccacaaggg	ctacgtggcc	ttcctcgaga	gcctggagct	ctactaccgg	cagctgtaca
421	agaaggtcac	aggcaaggag	ccggcccggc	tcttctccat	gatcatcgac	gcgtccgggg
481	agtcaggcct	gactcagctg	ctgatgactg	aggtcatgaa	gctgcagaag	aaggtgcagg
541	acctgaccgc	gctgctgagc	tccaaagatg	acttcatcaa	ggagctgcgg	gtgaaggaca
601	gcctgctgcg	caagcaccag	gagcgtgtgc	agaggctcaa	ggaggagtgc	gggcccggca
661	gccgcgagct	caagcgctgc	aaggaggaga	actacgacct	ggccatgcgc	ctggcgacc
721	agagtgaagg	gaaggcgcc	gcgctcatgc	ggaaccgtga	cctgcagctg	gagattgacc
781	agctcaagca	cagcctcatg	aaggccgagg	acgactgcaa	ggtggagcgc	aagcacacgc
841	tgaagctcag	gcacgccatg	gagcagcggc	ccagccagga	gctgctgtgg	gagctgcagc
901	aggagaaggc	cctgctccag	gcccgggtgc	aggagctgga	ggcctccgtc	caggagggga
961	agctggacag	gagcagcccc	tacatccagg	tactggagga	ggactggcgg	caggcgctgc
1021	gggaccacca	ggagcaggcc	aacaccatct	tctccctgcg	caaggacctc	cgccagggcg
1081	aggcccagag	cctccgggtgc	atggaggaga	aggagatggt	cgagctgcag	tgctggcac
1141	tacgtaagga	ctccaagatg	tacaaggacc	gcatacgagg	catcctgctg	cagatggagg
1201	aggtcgccat	tgagcgggac	cagagcacac	aaatggaggg	gctgtgacca	gcctccgcgc
1261	ccagcggtct	gacgtcctcc	ggagcctctg	cttggagtgt	ggcggccggg	ccgagggccc
1321	agggcaagct	tggggccctc	actgagggtc	ggccttgtgc	tgtcccgtca	ggccatagcc
1381	acgcgggagg	agctgcacgc	acagcacgcc	cggggcctgc	aggagaagga	cgcgctgcgc
1441	aagcaggtgc	gggagctggg	cgagaaggcg	gatgagctgc	agctgcaggt	gttccagtgt
1501	gaggcgagc	tactggccgt	ggagggcagg	ctcaggcggc	agcagctgga	gacgtcgtc
1561	ctgagctccg	acctggaaga	tggctcacc	aggaggtccc	aggagctctc	actccccag
1621	gacctggagg	acaccagct	ctcagacaaa	ggctgccttg	ccggcggggg	gagccgaaa
1681	cagccctttg	cagctctgca	ccaggagcag	gttttgcgga	accccatga	cgcaggcctg
1741	agcagcgggg	agccgcccga	gaaggagcgg	cggcgccctc	aagagagttt	tgagaactac
1801	cgaggaagc	gcgcccctag	gaagatgcag	aaaggatggc	ggcaggggga	ggaggaaccg
1861	gagaacacca	cgggcagcga	caacaccgac	actgagggtc	cctagccgca	gcagacttcc
1921	ccgagccgtc	gctgacttgg	cctggaacga	ggaatctggt	gccctgaaag	gcccagccgg
1981	actgccgggc	attggggccg	tttggttaagc	ggcactcatt	ttgcggaggc	catcggggtg
2041	ctcaccacc	ccatgcacac	gccatctgtg	taacttcagg	atctgttctg	tttcaccatg
2101	taacacacaa	tacatgcatg	cattgtatta	gtgttagaaa	acacagctgc	gtaaataaac
2161	agcacgggtg	accgcg				

FIGURE 4

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

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CARD10X ESTs

GI"9094656"

GAGAGGCTCCGCGGCCAGGCTCCTGGTGTGTCTGCAGTGCAGGTGGCTCCTGGAAGACC
CTCAGCCTGCCTGCTGAGGCCATGTTTGA CTACGAGAACGATGACGAGTGCTGGAGCGTC
CTGGAGGGCTTCCGGGTGACGCTCACCTCGGTTCATCGACCCCTCACGCATCACACCTTAC
CTGCGGCAGTGCAAGGTCCTGAACCCCGATGATGAGGAGCAGGTGCTCAGCGACCCCAAC
CTGGTCATCCGCAAACGGAAAGTGGGTGTGCTCCTGGACAT

GI"7132200"

GGGACAGCCTGCTCCGCAAGCACCAAGAGCGGGTGCAGAAGATGAGGGAGGAGAGGGACA
GTCTAAGCAAGGAGCTGCGGAAGTGCAAGGATGAGAACTACAACCTGGCAATGAGCTATG
CCAGACAGAGCGAGGAGAAGAGCAGTGCCCTCATGAAGAACAGGGACCTGCTCCTAGAGA
TTGATAGCTTGAAGCATAGCCTCATGAAGGCTGAGGACGACTGCAAACTAGAGCGTAAGC
ACTCGATGAAACTGAAGCATGCCATAGAACAACGTCCGAGCCATGAAGTGATGTGGGAGA
TCCAGCAGGAGAAGGAGCTGCTTTTGGCCAAGAATCAGGAGCTGGAGAACACTCTTCAGG
TTGCCAGGGAACAGAATTTGGAGACGAGTCTCTCCCATGAGACTGTGCAGAACTGACTGCA
GCCAGGTGCTGGAGCGCCAGGACCTGCTGAACACCCTGTACCACCTTCGCAAGGAGCTGC
GCCAAGCCGAGGTGCTTCGAGACAAGTTCGAGGAGTGACGCTCAGCCCACGAGGAGCTGT
CCGAGAAGGAGCGGAGGAGGATGAAGGACTGCTTTGAGCGTTACCGCAGGAAGCGCGCCC
TGCGCAGAGCGCCCGCGGGCCCGCCCGCCCGAGGCCGACTGGGAGCCGAGCACGGGCAGC
GACAACACGGACACCGAGGGCAGCTAGGGGCCGCGCCGAGCTTTCGAGTTGCAGCTGGAT
CCGTCAATAAACAG

GI"5884878"

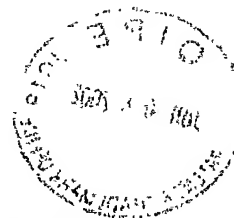
TGAACACCCTGTACCACCTTCGCAAGGAGCTGCGCCAAGCCGAGGTGCTCCGAGACAAGT
ATGCAGAGGAAAAAGAAATACTTGA ACTACAGTGACATCTCTGAGGAAGGACTCCCAGA
TGTATAAAAAACGGATGGAAGCTGTCTTAGAGCAGATGGAGGAAGTGGCTTCGGAAAGAG
ACCAGGCACTGCTGACCAGAGAACAGTTCTACCCACAGTACTCCAAGAACCTTGTTGAGA
GGGACACTTATCGGAAGCAGATTGCGGAGCTGGGGGAGCGATGCGATGAGCTGCAGCTGC
AGCTCTTCCAAAAGGAGGGTCAGCTACTGGCTACTGAAGCCAAGCTGAAAAGACTGCAAC
TGGAGCTGCCTGCACTGACTTCTGACCTGGATGACACTCCTCCAGAGATCCCAGGTCTTA
CTCTCATGGTCATCTAGACGAAGATCGCACCTGACTAAAAAAGACGCTGTTAAGGAAAAC
CAGCAATCAGCATGCAAGAAACATCTGACGCAGATCACCCTTCGAGGATGCACTAACCA
CAAGACTTCGAGAAGACGGAGAGATAAGGATGCTTGAGCGTACGAGTCGGCCGATCCGCG
CCCCCCTCCGCGCTCCTTCCGTGGCTCGT

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

Inventors: Pawlowski et al.

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CARD11X ESTs

GI"6926669"

CACGAGGGAAATGTACAAGCACCGCATGAACACGGTTCATGCTGCACCTGGAGGAGGTGGA
GCGGGAGCGGGACCAGGCCTTCCACTCCCGAGATGAAGCTCAGACACAGTACTCGCAGTG
CTTAATCGAAAAGGACAAGTACAGGAAGCAGATCCGCGAGCTGGAGGAGAAGAACGACGA
GATGAGGATCGAGATGGTGC GGCGGGAGGCCTGCATCGTCAACCTGGAGAGCAAGCTGCG
GCGCCTCTCCAAGGACAGCAACAACCTGGACCAGAGTCTGCCCAGGAACCTGCCAGTAAC
CATCATCTCTCAGGACTTTGGGGATGCCAGC

GI"6143407"

TTTTTTTTTTTTTCTCTCCTGCCTCCTCTGGCCTTCGGACTCCTGCCCGCGCCGCCCCG
CAGCCCCCTCCCGGCCCTGCAGCCCCCTGGGCGGGCGGCCCTCGGAGGACGGCTCCGG
GCCCCGGGGGACGGAGGGCCTGGTGCCTGGAGGAAGCCGGAGGCCTGCGTGGAGGAGGC
GCCCCGCGCAGCTGGCTGGCGGAGCATGAGCGCCCCAGATCCCAAGCACTGCAAGTCCAG
ATGCAACGGGAGCCTGGCTCAAGGGACGACAAGATCCAGCCGGAAGTGTAGAAGTCACA
CCCCAATGGCGGGATAGCAGCCCCCTGTGTGTGAGCACCCCTCCATGCCAGGAGGAGGGCC
AGAGATGGATGACTACATGGAGACCCTGAAGGATGAAGAGGACCCCTTGTGGGACAATGT
GGAGTGTAACCGGCACATGCTCAACCGCTATATCAACCCTGCCAAGCTCACGCCCTAC

GI"2785620"

GCAGCCCCCTCCCGGCCCTGCAGCCCCCTGGCGTGCGGCGCCATCGGAGGACGGCTCCGGG
CCCGGGGGGACGGAGGGCCTGGTGCCTGGAGGAAGCCGGACGCTGCGTGGAGGAGGCGC
CCCCGGTCTGGTCTGGCGGACGATGAGCGCCCCAGATCCCAAGCACTGCAAGTCCAGATG
CAACGGGAGCCTGGCTCAAGGGACGACAAGATCCAGCCGGAAGTGTAGAAGTCACACCC
CAATGGCGGGATAGCAGCCCCCTGTGTGTGATCACCCCTCCATGCCAGGAGGAGGGCCAGA
GATGGATGACTACATGGAGACGCTGAATGATGAAGAGGACGCCTTGTGGGAGAATGTGGA
GTGTAACCGGCACATGCTCAGCCGCTATATCAACCC

GI"1838222"

AAAAGGAGGAGGGCCAGAGATGGATGACTACATGGAGACGCTGAAGGATGAAGAGGACGC
CTTGTGGGTGAATGTGGAGTGTAACCGGCACATGCTCAGCCGGGTCTCACGAATTCCGCT
GAGTTCTACGAATTCCGCTGAGGTCTCACGAATTCCGCTGA

GI"6927709"

CACGACGACGGACGCCAGCCCTAGCTCCTGCGGATCTCTGCCCATCACCAACTCCTTCAC
CAAGATGCAGCCCCCGGAGCCGAGCAGCATATGTCAATCACCGCCGAGCCCCCGG
AAACGACTCCATCGTCAGACGCTACAAGGAGGACGCGCCCCATCGCAGCACAGTCGAAGA
AGACAATGACAGCGGGGGTTTGACGCCTTAGATCTGGATGATGACAGTCACGAACGCTA
CTCCTTCGGACCCCTCCTCCATCCACTCCTCCTCCTCCCACCAATCCGAGGGCCTGGA
TGCTTACGACCTGGAGCAGGTCAACCTCATGTTTCAGGAAGTTCTCTCTGGAAAGACCCCTT
CCGGCCTTCGGTCACCTCTGTGGGGCACGTTTCGGGGCCCAAGGCCCTCGGTGCAGCAC

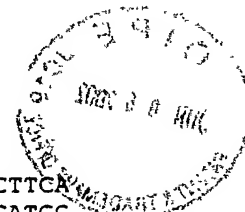
FIGURE 6A

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

Inventors: Pawlowski et al.

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GI"9720543"

TCATCCCCTACAGCCTGGTACGCGCCTTCTACTGCGAGCGCCGCCGCCGCTGCTCTTCA
CACCCACCGTGCTGGCCAAGACGCTGGTGCAGAGGCTGCTCAACTCGGGAGGTGCCATGG
AGTTCACCATCTGCAAGTCAGATATCGTCACAAGAGATGAGTTCTCAGAAAGGCAGAAGA
CGGAGACCATCATCTACTCCCGAGAGAAGAACCCCAACGCGTTTGAATGCATCGCCCCCTG
CCAACATCGAAGCTGTGGCCGCCAAGAACAAGCACTGCCTGCTGGAGGCTGGGATCGGCT
GCACAAGAGACTTGATCAAGTCCAACATCTACCCCATCGTGCTCTTCATCCGGGTGTGTG
AGAAGAACATCAAGAGGTTTCAAGAAAGCTGCTGCCCCGACCTGAGACGGAGGAGGAGTTCC
TGCGCGTGTGCCGGCTGAAGGAGAAGGAGCTGGAGGCCCTGCCGTGCCGTGTACGCCACGG
TGGAACCTGACATGTGGGGCAGCGTAGAGGAGCTGCTCCGCGTTGTCAAGGACAAGATCG
GCGAGGAGCAGCGCAAGACCATCTGGGTGGACGAGGACCAGCTGTGAGGCGGGCGCCCTG
GGCAGAGAGA

GI"9142863"

TCATCCCCTACAGCCTGGTACGCGCCTTCTACTGCGAGCGCCGCCGCCGCTGCTCTTCA
CACCCACCGTGCTGGCCAAGACGCTGGTGCAGAGGCTGCTCAACTCGGGAGGTGCCATGG
AGTTCACCATCTGCAAGTCAGATATCGTCACAAGAGATGAGTTCTCAGAAAGGCAGAAGA
CGGAGACCATCATCTACTCCCGAGAGAAGAACCCCAACGCGTTTGAATGCATCGCCCCCTG
CCAACATCGAAGCTGTGGCCGCCAAGAACAAGCACTGCCTGCTGGAGGCTGGGATCGGCT
GCACAAGAGACTTGATCAAGTCCAACATCTACCCCATCGTGCTCTTCATCCGGGTGTGTG
AGAAGAACATCAAGAGGTTTCAAGAAAGCTGCTGCCCCGACCTGAGACGGAGGAGGAGTTCC
TGCGCGTGTGCCGGCTGAAGGAGAAGGAGCTGGAGGCCCTGCCGTGCCNTGGTACGCCA
CGGTGGAACCTGACATGTGGGGCAGCGTAGAGGAGCTGCTCCGCGTGTGAGGACAGACGG
CGAGAGCAGCGCAAGA

GI"1761194"

GCTCCTTCAGTTCGTACAGAGGTCGAGAACAAAGTATAAGCGGATGAACAGCAACGAGCG
GGTCCGATCATCTCGGGGAGTCCGCTAGGAGCCTGGCCCGTCCCTCGCTGGACGCCACCA
AGCTCTTGACTGAGAAGCAGGAAGAGCTGGACCCTGAGAGCGAGCTGGGCAAGAACCTCA
GCCTCATCCCCTACAGCCTGGTACGCGCCTTCTACTGCGAGCGCCGCCGCCGCTGTGCTCT
TCACACCCACCGTGCTGGCCAAGACGCTGGTGCAGAGGCTGCTCAACTCGGGAGGTGCCA
TGGAGTTCACCATCTGCAAGTCAGATATCGTCACAAGAGATGAGTTCTCAGAAAGGCAGA
AGACGGAGACCATCATCTACTCCCGAGAGA

GI"8151878"

AGAGACTTGATCAAGTCCAACATCTACCCCATCGTGCTCTTCATCCGGGTGTGTGAGAAG
AACATCAAGAGGTTTCAAGAAAGCTGCTGCCCCGGCCTGAGACGGAGGAGGAGTTCTGCGC
GTGTGCCGGCTGAAGGAGAAGGAGCTGGAGGCCCTGCCGTGCCGTGTACGCCACGGTGGA
CCTGACATGTGGGGCAGCGTAGAGGAGCTGCTCCGCGTTGTCAAGGACAAGATCGGCGAG
GAGCAGCGCAAGACCATCTGGGTGGACGAGGACCAGCTGTGAGGCGGGCGCCCTGGGCAG
AGAGACTCTGTGGCGCGGGGCATCCTATGAGGCAGGCACCCCTGGGCAGAGAGATGTAGTG
GGTGGCGGGGGATCCTGTGGCCACAGAGCTGCCCCAGCAGACGCTCCGCCCCACCCGGT
GATGGAGCCCCGGGGGACAGTCGTGCCTGGGGAGGAGCAGGGTACAGCCCATCCCCCA
GCCCTGGCTGACCTGGCCTAGCAGTTTTGGCCCTGCTGGCCTTAGCAGGGAGACAGGGGA
GCAAAGAACGCCAAGCCGGGAGGCCAAGCCAGCCGGGCTCTCGAGGGGGGGCCCGGTCC
CCATTTTGGCCTTTATGAGC

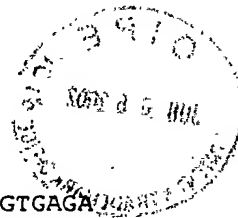
FIGURE 6B

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

Inventors: Pawlowski et al.

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GI"2007639"

AAGAGACTTGATCAAGTCCAACATCTACCCCATCGTGCTCTNTCATCCGGGTGTGTGAGA
AGAACATCAAGAGGTTTCAAGAAAGCNGCTGCCCCGGCCTGAGACGGAGGNGNAGTTCCTGC
GCGTGTGCCGGCTGAAGGNGAAGGAGCTGGAGGCCCTGCCGTGCCTGTACGCGACGGTGG
AACCTGACATGTGGGGCAGCGTAGAGGAGCTGCTCCGCGTTNTATAAGGACAAGATCGGT
GAGNAGCAGCGCAAGACCATCTNGGTAGACGAGGACCAGCTTT

GI"8042493"

GTGTACTGCCTTCTGAGGAACATCTCTGTGACGATATCTGACTTGCAGATGGTGAAC
CCATGGCACCTCCCCGAGTTGAGCAGCCTCTGCACCAGCGTCTTGGCCAGCACGGTGGGTG
TGAAGAGCACGGGCCGGCGGCTCGCAGTAGAAGGCGCGTACCAGGCTGTAGGGGATGA
GGCTGAGGTTCTTGCCAGCTCGCTCT

GI"2079290"

GACTTGATCAAGTCCAACATCTACCCCATCGTGCTCTTCATCCGGGTGTGTGAGAAGAAC
ATCAAGAGGTTTCAAGAAAGCTGCTGCCCCGGCCTGAGACTGGAGGAGGAGTTCCTGCGCGT
GTGCCGGCTGAAGGAGAAGGAGCTGGAGGCCCTGCGATGCCTGTACGCCACGGTGGAACC
TGACATGTGGGG

GI"7044777"

GAAATAATAACATTTTAAATGCAAGAGAAATCATAGCCTGGTACACACCCCTTCCCCGA
TCTGTCTGCCTGGGGATGTGTTTATGGTGAGTGTGTCCCCAGGACTGGTAGTCACCTGG
CTGTCCGGGTCCCCGCCCTACTGGCGGCAGCATGCCTGTCCCCAGCATTACATTCAACTG
CTGCTCTGGCTCTCGAGAGGCCGGCTGGCCTCNGGCCTTCCGGCTTGGCGTTCTTTGCTC
CCCTGTCTCCCTGCTAAGGCCAGCAGGGCCAACTGCTAGGCCAGGTGAGCCAGGGCTGG
GGGAATGGGCTGTACCCTGCTCCTCCCCAGGCACGACTGTCCCCCGGGGCTCCATCACC
GGGTGGGGCGGAGCGTCTGCTGGGGCAGCTCTGTGGGCCACAGGATCCCCCGCACCCAC
TGCATCTCTCTGCCCATGGTGCCTGCCTCATAGGATGCCCCGCGCCACAGAGTCTATATG
TCCAGGGCGCCCGCCTCACAGCTGGTCTCGTCCACCCAGATGGTCTTGCGCTGCTCCTC
GCCGATCTTGTCTTGACATCGCGGAGCAGCTCCTTTACGCTGCCCCACATGTCAGGTGC
CCCCG

FIGURE 6C

Title: CARD-DOMAIN CONTAINING POLYPEPTIDES...

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CARD 12X EST

GI"10316320"

TCATGCCAGCTCCGTCCCACCCAGCAGCCCGCAGAGAAAAGGAGGCAGCTGGCACCACAC
TGGGCTTTGGAGACACTGCGGGGACTGTGGACCCACCCCTGCTGCACGGAGCTCCTGCAA
AAGCAAACCTGAGAACCTTGGGTCTCTCCAGCGCCAGCCATGGGGGAAGTGTGCCGCAG
GGAATCCGCACTCACGGCACTGGACGAGGAGACACTGTGGGAGATGATGGAGAGCCACCG
CCACAGGATCGTACGCTGCATCTGCCCCAGACGACATTAACCCCTATACTGTGACGCACA
GCGCCAGAGGCTGGCTGCTGACCATGGATGGACCGAGGAGGGAGGTTGCTGCACCAGCGC
CCACGAGACATCAACAACAGACGCACACTGCGGGGCGGGGCACATAGCGTGGCCTCGCGC
TAGAAAGACATCAGAGGAGAAAGAAGCGGGGGCCCACTCGCACTCACCGTGAGTAGACGC
CATGCACAGTACCACCAAACCCATGAGCGCTACTACAACCCATGGGTCAACAGGGCATGA
CAGCCTGGATGCATAGACATAACAAGTAACTTCTACTAGCCAGGTCCTCATGCGAAGACC
ATCCCAAGCCTGACCCGACATGCCCTGGACATGGGGCCCACTACGCGCAGACCATGCAGC
GAGAGACGCATGACACCAGGCAACAACGCGGGCCACGAACGCGAGCGTTGCCTGCATCGA
CGGGCACGGTTGGCCACAGACACGGAATTGCAGCGGAGCCACACGTGGCAGCCCCTGAGG
CCCGACGACACCCGGTGCACCGAAGGGGGCCATGGCAACCACGACCTGGCAGGCTTGACAC
ACCAAGCGCCATACCACGCGCGTGAAAGGGTACAGAGGCACCAACTACCCAGTGCAAGCG
CAGTTCTTGCAAGGCGATGCCAAGGGAACGGCACGACATGACGACACCGCAGTACTCTGT
GAGGAAACCATCTTAGCAAGATGACAGCCTTGACAGGAAACAACGACACGAAGTGCCTGT
CTCGCAACGCATGACAGAAGACCTGTGCGCATATAAAGTAAATGTGATACTAATAGAAAGC
AAGAAGGTTGACACTGAAAGACACACATATGAGTATAACTCGAGTATGCAACGTGAACAT
G

FIGURE 7